



The Daedalean

Semper Discens

*Monthly Aerospace Education Newsletter of the Connecticut
Wing of the Civil Air Patrol*

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CALENDAR

March

04 MAR-Wing Squadron Commander's Call
18 MAR-CTWG Staff Meeting

FOR FUTURE PLANNING

TBA APR-Wing DC Trip ((between 10-17 April)
TBA-MAY-Wing Rifle Tournament
13 June-Stratford Eagles Open House
23-27 JUN-Nat'l A/S Education Staff College
27-28 JUN-RING Airshow-Quonset, RI
TBA-JUN-Rocketry Contest
4-11 JUL-CTWG Cadet Encampment
10-18 JUL-NER Staff College
16-17 OCT-CTWG Conference and Cadet Ball

ANNUAL SQUADRON AE REPORTS

Our 12 Squadrons submitted nine annual reports to the DAE. This is a 50% improvement over last year and the cooperation of the AEOs and Squadron Commanders have assisted in improving the quality of the annual Wing report to Region and National.

WING AEROSPACE EDUCATION PLAN OF ACTION

The Plan of Action has been submitted to the Wing and awaits approval. The full plan will be published and discussed in the next edition of *The Daedalean*..

Some of our goals are to increase participation in AEX, assist AEOs in advancing in the specialty track, develop a cataloged aerospace lending library, support aerospace education at the encampment, provide at least one major multi-day Wing field trip each year, develop a set of teaching aides for the modules in *Aerospace Dimensions*, and increase our presence in local schools and civic organizations.

CAP AEROSPACE EDUCATION PAGE ON-LINE

Aerospace Education Officers should take a good look at the CAP Aerospace Education web page at

http://members.gocivilairpatrol.com/aerospace_education/

The site is under construction so so of the items mentioned below are not yet displayed.

The left side of the page, highlighted in green, provides links to useful references which should prove valuable to those who use them.

The first block, "AEO Resources," provides links to the June AEO Academy, Pamphlets and Regulations, Reports, a power point Survival Kit for the AEO, Duty Overview, and a discussion of the AE Plan of Action. It also provides access to CAP University.

The second block, "Awards for Senior Members and Cadets," covers the Aerospace Specialty Badge, the Brewer Award, and the "Yeager."

Next comes the AEX Award section. AEX is the symbol for Aerospace Education Program. Clicking on the link brings up an explanation of the hands-on program in aerospace for the squadron and for participating schools. Only two CTWG squadrons participate in the is program but since it provides a number of planned activities, it is recommended that non-participants consider adopting it.

Details of the "Fly a Teacher" program follow in the next block.

The useful Air Force Association Grants Program is then explained. Several of our CTWG squadrons have benefited from these \$250 awards and CTWG squadrons are encouraged to apply.

Next come the details of the Model Rocketry Program and the Rocketry Badge. Internal links will connect you to the Rocketry Rocketry Manual and CAPR 50-20 which governs the program.

The penultimate block addresses publications, pamphlets, and forms with direct links to important aerospace materials.

Finally, a set of references to "best practices" is provided.

Any AEO who wishes assistance with any of these programs is encouraged to contact the Wing Director of Aerospace Education, Capt Rocketto at srocketto@aquilasys.com.

WRITERS WANTED

The Daedalean invites the readers to submit articles for publication. For further information, contact Capt Rocketto at srocketto@aquilasys.com

WING RIFLE COMPETITION

The date for the competition is tentatively set for Saturday, May 9th at the Quaker Hill Rod and Gun Club in Oakdale, Connecticut.

The course of fire will be 20 rounds from the prone position in a one half hour time limit fired over a distance of 50 yards.

Awards will be given to both individuals and squadrons based upon the Lewis Award System and the number of entries. All members of a Squadron will fire for team score with the highest counting. The number which will count will be decided by the number of entries and announced in advance.

Experienced coaches will be available to assist.

All equipment will be supplied by the Quaker Hill Rod and Gun Club. Ammunition and targets have been provided through a grant from the Connecticut Friends of the National Rifle Association. Participants may use their own .22 caliber rifles . There is no charge for participating.

All equipment will be supplied. However, if you wear glasses bring them or bring your own safety glasses and hearing protection. Glasses and hearing protection will be provided to those who do not have them.

Uniform is BDUs.

We are planning on opening the range on several Saturday mornings in April and May for practice and NRA medal qualifications for those Squadrons who wish to participate.

CSRRA HIGH POWER RIFLE CLINIC

The Connecticut State Rifle and Revolver Association is holding a high power rifle clinic at the Bell City Rifle Club on 18 April, 2009.

Any Cadet is eligible to participate at no cost. They will be instructed in safety and technique and allowed to fire the AR-15 5.56 mm rifle at 200 yards. All equipment will be supplied however, if you wear glasses bring them or bring your own safety glasses and hearing protection. Glasses and hearing protection will be provided to those who do not have them.

Further information will be forthcoming by special email as soon as it becomes available.

2009 WING ROCKET CONTEST **NOTE RULE MODIFICATIONS**

These are the "Rules of Engagement" for the 2009 contest. The Contest will provide a basis for some winter aerospace and AEX activity. , The contest will again be held in conjunction with the Connecticut amateur rocketry club, CATO and we are hoping to hold the event on 20 June but have not yet confirmed that date.

Here are the rules with modifications highlighted.

1. Novices who have not competed in a previous contest will construct an Estes Alpha (balsa fins). The rocket will be decorated with a Squadron theme design. **Modification: A Quest Astra I may be substituted for the Alpha.**

2. Squadrons will enter a **kit built or scratch built** rocket which replicates a historical rocket vehicle. The entry will include a 300-500 word essay, typed and double spaced on why the rocket is historically important.

3. A scratch built rocket will be constructed based upon the theme, "Comic, **Fictional**, or Mythological Characters." These characters might include but are not limited to characters such as Daedalus and Icarus, the Simpsons, Superman, Pegasus, Mighty Mouse, Snoopy, or some other figure from newspapers, books, cinema, or TV.

Engine size for any entry is limited to D size engines but may be smaller.

Points will be assigned for quality of construction and decoration, flight, and uniqueness. A more complete list of criteria for judging will be forthcoming. If possible, we would like to expand the number of rockets submitted by each Squadron for judging but this may depend upon the participation and time available.

SUGGESTIONS FOR ENTERING THE **ROCKETRY CONTEST**

Early preparation is important. Start now and use the cold, dark months to plan and build your rockets. The scratch built rockets will take some time and you will need to test them so you must have the ready for firing when the weather improves.

Incorporate the CAP Rocketry Program in the contest preparations. Have you cadets build the Redstone Phase simple rockets and take the quiz on history of rocketry. They will then be in position to qualify for the second phase, the Titan when they build the Alpha or Astra I and this gets them almost halfway to the Rocketry Badge.

You will need to go out and practice some launches. Be familiar with the ARA Safety Rules. Pick a minimum wind day and use the smallest engines possible for the initial tests. One of the major causes of a failure to launch is that the igniter is not properly seated in the engine. Practice launches will reduce your launch failure rate. Bring materials and glue for field repairs.

WING DC TRIP

A planned Wing field trip to the Washington, DC area in May is on hold pending confirmation or our lodging request. Squadrons will be informed about the details by special e-mail as soon as they become available.

Tentatively, we plan to depart early on Monday 13 April and return late on Friday 17 April. Estimated cost for the trip is \$150 and could go lower if Squadrons will support the transportation costs and if food costs are controlled.

Let us assume that 20 Cadets and four officers attend and we take four vehicles. Plans will be to set up concurrent trips to interesting sites so that during each day, participants could chose, within limits, which venue they wished to visit.

We are also considering the possibility that one vehicle might return in three days in case we have officers or cadets who cannot afford, either temporally or financially, the five day trip.

MEMORIES OF MARCH'S PAST

01 MAR, 1924-First flight of the semi-rigid airship N.1 at Ciampino, Italy. Later renamed *Norge*, she is the first airship to fly over the North Pole.

02 MAR, 1969-First flight of the British Aircraft Corporation /Sud Aviation *Concorde*.

03 MAR, 1919-First international air mail service is inaugurated when Eddie Hubbard and William Boeing flies a Boeing C-700 series seaplane between Vancouver and Seattle.

04 MAR, 1957-First flight of the Grumman WF-2 Tracer ("Willie Fudd"), an airborne early warning aircraft modified from the S2F, later renamed the E-1B.



"Willie Fudd," the "Stoff" with a Roof

05 MAR, 1936-First flight of R. J. Mitchell's Supermarine Spitfire, piloted by "Mutt" Summers.



Spitfire 1

06 MAR, 1953-Boeing delivers the last of the piston engine bombers to the USAF, a TB-50 Superfortress.



B-50 Superfortress

07 MAR, 1963-First flight of the Hughes OH-6A.



Hovering Loach

08 MAR, 1917-Count Ferdinand Zeppelin goes West.

09 MAR, 1971-First flight of the TF-8A, a NASA modified Vought Crusader, designed to test Richard Whitcomb's supercritical airfoil.



NASA TF-8A Displays Supercritical Airfoil

10 MAR, 1956-Peter Twiss is the first aviator to exceed 1,000 mph flying a Fairey Delta 2.

11 MAR, 1941-President Franklin D. Roosevelt signs the Lend-Lease Act which allows for the transfer of armaments to other nations whose defense is important for US security. Approximately 43,000 aircraft will be transferred to nations fighting the Axis powers.

12 MAR, 1946-The Army Air Force School at Maxwell Air Base is re-designated as the Air University.

13 MAR, 1961-First flight of the Hawker Siddeley P.1127 Kestrel, forerunner of the Harrier.



Experimental VSTOL Kestrel on Display

14 MAR, 1927-Pan American Airlines is formed.

15 MAR, 1951-Boeing test pilots, flying a KC-97A and a B-47A perform the first aerial refueling by the boom method.



KC-97 Stratotanker at Mather AFB, California



Boeing Stratojet

16 MAR, 1922-Henri Julliot, the inventor of the semi-rigid airship, goes West.

17 MAR, 1924-Four Army Douglas World Cruisers, named Seattle, Boston, Chicago, and New Orleans depart Santa Monica for Seattle on the start of the first round the world flight.



Chicago on Display at NASM, The Mall, DC



US Army Air Service World Flight Insignia

18 MAR, 1965-Cosmonaut Alexi Leonev, flying in *Voskhod 2*, performs the first Space EVA.

19 MAR, 1952-First flight of the North American F-86F Sabre.



Connecticut's Own F-86F at the New England Air Museum

20 MAR, 1956-First flight of the North American AJ-2P Savage.



Composite Powered Savage

21 MAR, 1946-The USAF establishes the Strategic Air Command, the Tactical Air Command and the Air Defense Command.

22 MAR, 1915-The US Navy adopts the term "naval aviator" to replace "naval air pilot."

23 MAR, 2001-Space station Mir, after 15 years in space, is de-orbited and falls to earth.

24 MAR, 1977-First flight of the Lockheed YC-141B, the stretched Starlifter, equipped with in-flight refueling gear.



Lockheed Stratolifter at Norton AFB

25 MAR, 1958-First flight of the Canadair CF-105 Arrow, piloted by Janusz Zurkowski.



Arrow Model on Display in Canada

26 MAR, 1992-Cosmonaut Serge Krikalov, who departed from the Soviet Union, returns to the Commonwealth of Independent States having spent 313 days aboard Space Station Mir during which time, the Soviet Union dissolved.

27 MAR, 1975-First flight of DeHavilland of Canada DHC-7.



STOL Dash 7 Airliner in PanAm Livery

28 MAR, 1971-Pioneer in aerial photography and aircraft production, Sherman Fairchild goes West.

29 MAR, 1927-The Aeronautics Board of the Department of Commerce issues Aircraft Type Certificate Number One to the Buhl C-3A Airster.

30 MAR, 1931-Boeing delivers the first 247 to United Airlines.

31 MAR, 1911-Congress makes its first appropriation for Army aeronautics, \$125,000 for fiscal year 1912.